



## 2019 Project Review Sheet (2020 Construction)

### City Council District 1 (Ballot # 1D)

<b>Project #</b>	19-10
<b>Project Title:</b>	Pedestrian safety
<b>Location:</b>	Neighborhood: Highland Park, 98106 Area: District 1: 9th Ave SW from SW Kenyon St., SW Elmgrove St. to SW Thistle St.

### SDOT Contact Information

SDOT Reviewer Name: Andrew Merkley

Reviewer Phone Number: (206) 684-5102

Review Date: August 9<sup>th</sup>, 2019

### SDOT Project Summary

SDOT approves project

- Yes
- Yes, with revisions
- No

Comments: The traffic data did not support marking any crosswalks, but it did support traffic calming. SDOT recommends the following traffic calming measures:

- Install parking edge lines,
- Install painted curb bulbs with posts at the NW and SE corners of 9<sup>th</sup> Ave SW & Kenyon St, SW Elmgrove St and SW Thistle St, and
- Install speed cushions along 9<sup>th</sup> Ave SW between SW Kenyon St and SW Henderson St.

There is an opportunity to partner with another program:

- Yes
- No

Partnering Program: N/A

**Total Project Cost: \$120,000**

YVYC 2019: Project 19-10, District 1: 9th Ave SW from SW Kenyon St., SW Elmgrove St. to SW Thistle St.



### **Solution and Comments:**

This review has been completed for use in the 2019 Your Voice, Your Choice: Parks & Streets process.

Traffic volume and pedestrian data was collected at three intersections along 9<sup>th</sup> Avenue SW: SW Kenyon Street, SW Elmgrove Street and SW Thistle Street. The average daily traffic is approximately 6,100 vehicles per day with an 85<sup>th</sup> percentile speed of 36 miles per hour. The pedestrian crossing volumes at each of the intersections individually do not meet the threshold guidelines for marked crosswalks and do not meet those thresholds when the intersection volumes are combined.

Collision history over the past three years was also reviewed at the three intersections. None of the collisions involved pedestrians, though most of the collisions may have been mitigated if speeds were lower or sight distance were improved.

Due to the higher 85<sup>th</sup> percentile speeds of the corridor, SDOT recommends that the following traffic calming measures to be implemented to align the 85<sup>th</sup> percentile speeds closer to the 30-mph speed limit:

- Mark parking edge line along 9<sup>th</sup> Ave SW between SW Henderson St and SW Portland St to tighten cross section and increase sight distance
- Install painted curb bulbs with tuff posts on the northwest and southeast corners of SW Kenyon St, SW Elmgrove St and SW Thistle St to increase visibility of pedestrians
- Install 4 sets of speed cushions, one between:
  - SW Thistle Street and SW Cloverdale Street;
  - SW Cloverdale Street and SW Trenton Street
  - SW Trenton Street and SW Henderson Street;



Image: (Typical proposed treatment)



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## Information Provided by Community Members

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**Project Idea:** Pedestrian Safety to transit: Crosswalks for Highland Park

**Need for Project:** There are no crosswalks on Highland Park Way/ 9th Ave SW between W. Marginal Way until SW Cloverdale St, that is over 1 mile, yet there are 14 bus stops that one mile stretch (7 on each side of the road) for the only bus, 131, that serves this area and there are no marked places to cross. Since 2004, there have been 20 collisions involving pedestrians on that 1 mile stretch. Without any traffic calming, speeds are in excess of 40 mph on this arterial St which leads to one of three exits off the West Seattle Peninsular.

**Community Benefit from Project:** Pedestrians, those taking the 131 bus, children walking to school at Highland Park elementary, and the residents Highland Park. Solution is for Flashing Beacon crosswalk at 9th Ave SW and SW Kenyon St. intersection, and crosswalks at the intersections of 9th Ave SW and SW Elmgrove St. and 9th Ave SW and SW Thistle St.



### Risk Registry

SDOT Review	Drainage impacts	Constructability	Community process
Low	Low	Low	Low

### Cost Estimate

<b>Design Phase</b>	
Preliminary Engineering (Survey) Costs	\$0
Project Management Costs (City Labor)	\$1,000
Design Costs (Consultant Fees, if externally designed, internal labor otherwise)	\$26,500
<b>Subtotal - Design Phase Costs</b>	\$27,500
Design Contingency (10% of Design Phase Subtotal)	\$2,500
<b>Total Design Phase Costs</b>	\$30,000
<b>Construction Phase</b>	
Construction Costs (include urban forestry, signs & markings, traffic control, layout or construction staking as necessary)	\$75,000
Drainage Costs	\$0
Estimating Contingency (10-20%)	\$5,000
<b>Subtotal - Construction Costs</b>	\$80,000
Construction Management (10-25% of Construction Cost)	\$5,000
Construction Contingency (20%)	\$5,000
<b>Total Construction Phase Costs</b>	\$90,000
<b>Total Project Cost = Total Design and Construction Phase Costs</b>	\$120,000

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